

b/c
H. McLean
6-28-96

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ronald A. Katz

Serial: 08/485,113

Filed: June 7, 1995

For: MULTIPLE FORMAT TELEPHONIC
INTERFACE CONTROL SYSTEMDocket No.: 9002-1B671US4
(prev. 6646-108N4)

Examiner: S. Woo

Art Unit: 260

OGRGUP 260

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A M E N D M E N T707 Wilshire Blvd., 32nd Floor
Los Angeles, CA 90017
June 5, 1996Assistant Commissioner
for Patents

Washington, D. C. 20231

Sir:

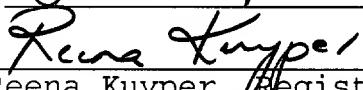
In response to the office action mailed December 5, 1995,
please amend the above-identified application as follows:

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
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date shown below with sufficient postage as first class
mail in an envelope addressed to the: Assistant
Commissioner for Patents, Washington, D.C. 20231.

Date:

June 5, 1996



Reena Kuyper, Registration No. 33,830

IN THE CLAIMS:

Please amend claims 18, 19, and 22, as indicated below and cancel claim 21, without prejudice:

18. (Amended) An interface control system for use with,
(1) a communication facility including remote terminals for
individual callers to make calls, wherein said remote terminals
~~may comprise~~ a conventional telephone instrument including voice
communication means and some of said remote terminals may further
comprise digital input means for providing data, and (2) a
multiple port, multiple format processor for concurrently
processing data from a substantial number of callers in any one
of a plurality of formats, said communication facility
automatically providing call data signals, as to indicate called
data (DNIS), to select a particular format from said plurality of
formats, (3) a plurality of live operator attended terminals with
prompting capability, for a plurality of formats, said interface
control system comprising:

call data means for receiving call data signals from
said communication facility for a calling remote terminal
indicative of [ANI or like] calling number identification
signals automatically provided by said communication
facility;

interface means for providing automated voice messages

21 relating to a specific format to certain of said individual
22 callers, wherein said certain of said individual callers
23 digitally enter data through said digital input means;

24 means for directly forwarding a call coupled to said
25 interface means for forwarding a call from any one of said
26 remote terminals to one of said plurality of live operator
27 attended terminals under control of said call data signals
28 when said remote terminals do not have capability to
29 digitally provide data;

30 means for processing coupled to said live operator
31 attended terminals for processing caller information data
32 entered by an operator at said live operator attended
33 terminal; and

34 means for storing coupled to said interface means and
35 said processing means for storing certain select data from
36 said caller information data entered by said operator and
37 data entered digitally by said individual callers.

1 19. (Amended) An interface control system according to
2 claim 18, wherein said call data signals automatically provided
3 from said communication facility for a calling remote terminal
4 indicative of calling number identification signals [ANI (or like
5 signals)] are used to access a positive file.

1 22. (Amended) An interface control system according to claim 18,
2 wherein said call data signals automatically provided from said

3 communication facility for a calling remote terminal indicative of calling number identification signals [ANI (or like signals)] are used to access a negative file to test for negative status
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5
6 with respect to individual callers.

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21 means;

22 means for directly forwarding a call coupled to said
23 interface means from any one of said remote terminals to one
24 of said plurality of live operator attended terminals under
25 control of said call data signals when said remote terminals
26 do not have capability to digitally provide data;

27 means for processing coupled to said live operator
28 attended terminals for processing caller information data
29 entered by an operator at said live operator attended
30 terminal; and

31 means for storing coupled to said interface means and
32 said processing means for storing certain select data from
33 said caller information data entered by said operator and
34 data entered digitally by said individual callers.--

13
14 CON¹ 34
15 24. An interface control system according to claim 23,
16 wherein said calling number identification signals are used to
17 access a positive file of data relating to said individual
18 callers. 14

1 35
2 25. An interface control system according to claim 24,
3 wherein said system further includes a use history test for said
individual callers. 14

1 35
2 26. An interface control system according to claim 23,
3 wherein said calling number identification signals are used to

3 access a negative file and test for negative status relating to
4 said individual callers *14*

1 *13* --27. An interface and process control system of a multiple
2 port, multiple format processor for concurrently processing data
3 from a substantial number of callers in one of a plurality of
4 formats for use with a telephonic communication facility
5 including remote terminals for individual callers, wherein said
6 remote terminals may comprise a conventional telephone instrument
7 including voice communication means and digital input means for
8 providing data, said interface and process control system
9 comprising:

10 call data means for receiving signal-represented call
11 data from said remote terminals indicative of called number
12 identification signals (DNIS) automatically provided by said
13 telephonic communication facility;

14 selection means coupled to said call data means for
15 selecting a select data format from said plurality of
16 formats under control of said signal-represented call data
17 indicative of called DNIS, said select data format having an
18 imposed condition to execute certain operations of said
19 select data format, one of said formats having an imposed
20 condition for verifying an instant call from a remote
21 terminal against a file to limit or prevent access to said
22 one format from callers listed on said file and at least one
23 of said plurality of formats having an imposed condition

24 with respect to time;

25 test means coupled to said selection means for testing
26 said imposed condition to provide approval signals; and
27 processing means coupled to said test means for
28 executing certain operations of said select format under
29 control of said approval signals.--

1 28. An interface control system according to claim 27,
2 wherein said file is a negative file and wherein said call data
3 means also receives calling number identification signals
4 automatically provided by said telephonic communication facility,
5 which are used to access said file. ✓

1 29. An interface control system for use with, (1) a
2 communication facility including remote terminals for individual
3 callers to make calls, wherein said remote terminals comprise a
4 telephonic instrument including voice communication means and
5 some of said remote terminals may further comprise digital input
6 means for providing data, and (2) a multiple port, multiple
7 format processor for concurrently processing data from a
8 substantial number of callers in any of a plurality of formats,
9 said communication facility automatically providing call data
10 signals, as to indicate called data (DNIS), to select a
11 particular format from said plurality of formats, and (3) a
12 plurality of live operator attended terminals with prompting
13 capability, for a plurality of formats, said interface control

14 system comprising:

15 call data means for receiving signal-represented call
16 data from said remote terminals indicative of called number
17 identification signals (DNIS) automatically provided by said
18 telephonic communication facility;

19 interface means for providing automated voice messages
20 relating to a specific format to certain of said individual
21 callers, wherein said certain of said individual callers
22 digitally enter data through said digital input means;

23 means for directly forwarding certain of said calls
24 coupled to said interface means from any one of said remote
25 terminals to one of said plurality of live operator attended
26 terminals under control of said call data signals when
27 necessary;

28 means for processing coupled to said live operator
29 attended terminals for processing caller information data
30 entered by an operator at said live operator attended
31 terminal; and

32 means for transferring certain of said calls from said
33 live operators to an automated system to receive processed
34 data via a voice generator.--

R E M A R K S

Claims 18-22 are pending in this application, all of which
presently stand rejected. By this amendment, claims 18, 19, and
22 are amended, and claim 21 is canceled, without prejudice.

Also, new claims 23-29 are presented for the Examiner's consideration. Reconsideration of this application is requested.

Discussion of the Rejection Under 35 U.S.C. Section 103
of Claim 18-22

Paragraph 3 of the office action rejects claim 18 under 35 U.S.C. Section 103 as unpatentable over Britton et al. (hereafter "Britton") in view of Barger, Jr., et al (hereafter "Barger"). Applicant's claim 18 recites the following elements:

- 1) a call data means for receiving call data signals from the communication facility for a calling remote terminal indicative of calling number identification signals automatically provided by the communication facility;
- 2) an interface means for providing automated voice messages relating to a specific format to certain of the individual callers, wherein those individual callers digitally enter data through the digital input means;
- 3) means for directly forwarding a call coupled to the interface means from any one of the remote terminals to one of the plurality of live operator attended terminals under control of the call data signals when the remote terminals do not have capability to digitally provide data;
- 4) means for processing coupled to said live operator attended terminals for processing caller information data entered by an operator at said live operator attended terminal; and

5) means for storing coupled to said interface means and said processing means for storing certain select data from said caller information data entered by said operator and data entered digitally by said individual callers.

Applicant urges that the claim 18 is not only distinct from Britton because Britton does not specify a means for storing, but, also, because it does not disclose, or even suggest, calling number identification signals automatically provided by the communication facility (ANI or like signals). As a result of the Examiner's objection to "or like" in Applicant's other applications, that phrase is deleted from claims 18, 19, and 22, and replaced with the recitation --calling number identification signals--. The recitation "calling number identification signals automatically provided by the communication facility" defines ANI or other known and emerging services which provide similar functions as ANI.

It is noted that paragraph 4 of the office action recognizes that neither Britton nor Barger teach ANI (now recited as calling number identification signals automatically provided by the communication facility) and introduces yet another reference, U.S. Patent No. 4,942,598 to Davis (hereafter "Davis"), in that regard. However, whether Davis even qualifies as prior art is questionable as Applicant's present application claims priority from his ancestor application, now U.S. Patent No. 4,845,739, which predates Davis. However, the Examiner should note the prior art made of record in the parent application (U.S. Patent

NO. 08/306,751). For the Examiner's convenience, Applicant will provide copies of Forms PTO-1449, already considered by the Examiner in that application, in a subsequent filing.

Paragraph 5 of the office action introduces yet another reference, U.S. Patent No. 4,996,705 to Entenmann et al. (hereafter "Entenmann") for its teaching of access being subject to a use history test (Applicant's claims 20 and 21). Again, some question arises as to whether or not Entenmann qualifies as prior art. Claim 21 is canceled. With respect to claim 20, as the its parent claims are urged to be distinct, claim 20, by virtue of its dependency would also be distinct from a combination of the references as applied by the Examiner.

For the reasons urged above, claims 18-20, and 22 are distinct.

Discussion of New Claims 23-29

New claims 23-29 are presented for the Examiner's consideration. Claim 23 is similar to claim 65 (as issued) in Applicant's grandparent application U.S. Serial No. 08/047,241 (issued under U.S. Patent No. 5,351,285) with the additional limitation that the system receives calling number identification signals automatically provided by the communication facility. In the event the Examiner requires a terminal disclaimer, Applicant will provide one. Claims 24-26 depend upon claim 23, and define additional limitations in combination with those recited in claim 23. Claim 27 is another independent claim reciting a combination

of the following elements: 1) call data means for receiving signal-represented call data from remote terminals indicative of called number identification signals (DNIS) automatically provided by the telephonic communication facility; 2) interface means for providing automated voice messages relating to a specific format to certain of said individual callers, wherein certain of the individual callers digitally enter data through the digital input means; 3) means for directly forwarding certain of the calls coupled to the interface means from any one of the remote terminals to one of a plurality of live operator attended terminals under control of the call data signals when necessary;

4) means for processing coupled to the live operator attended terminals for processing caller information data entered by an operator at the live operator attended terminal; and 5) means for transferring certain of the calls from the live operators to an automated system to receive processed data via a voice generator.

Claims 28 and 29 depend upon claim 27 and recite additional limitations in combination with those recited in claim 27.

S U M M A R Y

Favorable consideration and allowance of claims 18-20 and 22-29 is respectfully requested.

Respectfully submitted,

By: 
Reena Kuyper
Registration No. 33,830

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Tel: (213) 243-8000
Docket No. 9002-1B671US4
(prev. 6646-108N4)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

Applicant: Ronald A. Katz)
Serial No.: 08/485,113)
Filed: June 7, 1995)
For: MULTIPLE FORMAT TELEPHONIC)
INTERFACE CONTROL SYSTEM)
Docket No.: 9002-1B671US4)
(prev. 6646-108N4))

Examiner: S. J. Goode)
Art Unit: 288)

96 JUN 26 AM 9:17
GROUP 200

RECEIVED

TRANSMITTAL LETTER

707 Wilshire Blvd., 32nd Floor
Los Angeles, CA 90017
June 5, 1996

Assistant Commissioner
for Patents
Washington, D. C. 20231

Sir:

Transmitted herewith is a Notice of Firm Merger, a Petition
for Extension of Time, and an Amendment, for the above-identified
patent application.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service on the
date shown below with sufficient postage as first class
mail in an envelope addressed to the: Assistant
Commissioner for Patents, Washington, D.C. 20231.

Date: June 5, 1996

Reena Kuyper

Reena Kuyper, Registration No. 33,830

230 EK 04-0100 07/01/96 08485113
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The fee for claims has been calculated as shown:

Claims Remaining After <u>Amendment</u>	Highest Number Previously <u>Paid For</u>	Extra Present	Rate		Additional Fee			
			Small Entity	Large Entity				
Total	11	-	20	=	0	x 11	x 22	= \$ 0
Indep.	3	-	3	=	0	x 39	x 78	= \$ 0
1st presentation of multiple dep. claim + 125 + 250 = \$ 0								
Total additional fee \$ 0								

Check No. 1044 in the amount of \$ 900 to cover the petition fee is enclosed. Please charge any deficiencies in connection with this communication, including any filing fees under 37 C.F.R. §1.16 for the presentation of extra claims and any patent application processing fees under 37 C.F.R. §1.17, or credit any overpayment, to Deposit Account 04-0100.

Respectfully submitted,

By: 
Reena Kuyper
Registration No. 33,830

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